

L 17744-63

WPF(j)/EPF(c) EWT(m)/BDS PC-4/Pr.14 RM/WW

S/0152/63/000/007/0049/0054

ACCESSION NR: AP3006222

AUTHORS: Ismailov, R. G.; Kormilichev, V. M.; Kagramanova, A. S.;
Vayner, L. Z.; Blyuvshtain, S. S.TITLE: High-temperature reforming of ligroin - raw material
reserve for soft chemistry

SOURCE: IVUZ. Neft' i gaz, no. 7, 1963, 49-54

TOPIC TAGS: Ligroin, ligroin reforming, ethylene, propylene,
butylene, petroleum

ABSTRACT: Authors investigated the means of obtaining new raw materials for the petroleum industry which differ from the gases presently obtained by the destructive distillation of petroleum. It is known that high temperature cracking at low pressures gives a higher yield of gas and therefore, the experiments of a semi-production nature were set on the basis of high temperature reforming, using ligroin as a raw material. Maximum yield of ethylene, propylene, and butylene is obtained at a temperature of 625° and reaction

Card 1/2

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824710006-3"

USSR / Soil cultivation. Improvement. Erosion.

J-5

Abs Jour : Ref. Zhur - Biologiya, No 17, 1958, No. 77450

Author : Kormilichev, V. M.

Inst : Kuybyshev Planning Institute

Title : Influence of Humidity on the Effectiveness of Soil Cultiva-
tion

Orig Pub : Uch. zap. Kuybyshevsk. plan. in-t, 1956, vyp. 4, 249-256

Abstract : On the basis of an analysis of data for 9 years (1941-1949) on the dynamics of moisture in the arable horizon of spring-crop-plot in the Bezenchuk Experimental Station, and of data of the Buzuluk Agrometstation, artificial moisture of dry soils before ploughing is recommended. Examples are cited. -- S. R. Yosayan.

Card 1/1

9.3130

S/109/60/005/07/009/024
E140/E163

AUTHORS: Kormilitsin, B.T., and Ovcharov, V.T.
TITLE: On an Equation for Paraxial Optics of High-Current-Density Electron Beams 27
PERIODICAL: Radiotekhnika i elektronika, Vol 5, No 7, 1960,
pp 1112-1117 (USSR)

ABSTRACT: The basic equation of paraxial optics of electron beams with high-current-density is derived systematically. It is shown that this equation is valid for arbitrary current density and that the potential on the beam axis entering into the equation is established not only by the voltages on the electrodes but also in part by the space charge of the beam itself. The conditions for which it is possible to neglect the potential component arising from space charge are clarified. These results are contrary to those previously given in various textbooks (no references given) in which the equation is derived by adding to the equation of the paraxial beam in classical electron optics a space-charge term approximately expressing the radial force acting as a result of the space charge. The potential at the axis of the beam is assumed in these textbooks to be established only by the potentials applied to the electrodes. In certain of the textbooks Card 1/2

115
S/109/60/005/07/009/024
E140/E163

On an Equation for Paraxial Optics of High Current Density Electron
Beams

the reservation is made that the equation is valid only at low
currents but this restriction is not clearly defined. The
definition of "low current" is given by relations (23) or (25)
of the present paper.

There is 1 Soviet reference.

SUBMITTED: December 8, 1959

Card 2/2

✓

SHMELEV, Sergey Vladimirovich; KONNILITSINA, L.I., oty. za vyp.
PROKHOROVA, I.I. red. D.V. 2000, N.M. CIA-RDP86-00513R000824710006-3

APPROVED FOR RELEASE: 06/14/2000, N.M. CIA-RDP86-00513R000824710006-3

[Laboratory and practical work in dyeing and printing of
cotton fabrics (in the training of dyers and calico
printers in professional technical schools)] Laboratorno-
prakticheskie raboty po krasheniu i pechataniyu khlopchato-
bumazhnykh tkanei (pri obuchenii krasil'shchikov i raklistov
v professional'no-tehnicheskikh uchilishchakh). Moskva,
Proftekhizdat, 1963. 57 p. (MIRA 17:4)

PATUROYEV, V.V., inzh.; Prinimali uchastiye: ZHIDELEVA, V.K.; KORMILITSINA,
V.V.; TARANOVA, V.N.

Strengthening asbestos cement and other materials with polyester
foam plastics. Trudy TSNIISK no.24:323-349 '63. (MIRA 17:1)

KORMIJKIN, N.I.

Working frozen ground with rotary excavators equipped with a cutter attachment. Stroi. truboprov. 8 no.12:25 D '63. (MIRA 17:4)

1. Stroitel'no-montazhnoye upravleniye No.5 tresta
Soyuzprovodmekhanizatsiya, Novekuybyshevsk.

KHOKHRYAKOV, V.S.; SOROKIN, L.A.; KORMIL'TSEV, V.A.; SIMAKOV, P.G.

Economic effectiveness of using skip hoists at the Sibay Mine.
Gor. zhur. no.9:15-16 S '65. (MIRA 18:9)

1. Sverdlovskiy gornyy institut (for Khokhryakov, Scrokin,
Kormil'tsev). 2. Bashkirskiy medno-sernyy kombinat (for Simakov).

BLYUMIN, Izrail' Grigor'yevich; KORMIL'TSEVA, A.A., red.; ASTAF'YEVA, G.A., tekhn. red.; TIKHOMIROVA, S.G., tekhn. red.

[Criticism of bourgeois economics] Kritika burzhuaznoi politicheskoi ekonomii. Moskva, Izd-vo Akad.nauk SSSR. Vol. [Crisis of modern bourgeois economics] Krizis sovremennoi burzhuaznoi politicheskoi ekonomii. 1962. 378 p. (MIRA 16:2)
(Economics)

KORMILITSYN, A.

Accelerated repair. Mashinostroitel' no.2:24 P '62.

(Grinding machines—Maintenance and repair) (MIRA 15:2)

KORMILITSYN, A. M.

Kormilitsyn, A. M. "On the regionalization of forestry in Tadzhikistan," Soobshch. Tadzh. filiala Akad. nauk SSR, Issue 12, 1949, p. 10-13.

SO: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statey, No. 17, 1949).

KORMILITSYN, A.M.

27262

Lyesovodstvyennyye Shkaly Dryevyesnykh Porod Dly Tadzhikistana. Soobsh. Tadzh Filiala
Akad. Nauk SSSR. Vyp 16, 1949, S. 19-23.

SO: LETOPIS NO. 34

KOBMILITSYN, A.M.

New useful trees and shrubs in Tajikistan. Trudy TFIAN SSSR 18:33-41 '51.
(Tajikistan--Trees) (Tajikistan--Shrubs) (MIRA 8:8)

1. KORMILITSYN, A. M.
2. USSR (600)
4. Plant Introduction-Asia, Central
7. Results of introducing tree and shrub varieties in subtropical districts of Central Asia.
Biul. Glav. bot. sada No. 12, 1952
9. Monthly Lists of Russian Accessions, Library of Congress, March 1953. Unclassified.

KORMILITSYN, A.M.

Selection of starting material for the introduction of new tree
and shrub varieties. Biul.Glav.bot.sada no.26:3-9 '56. (MLRA 10:2)

1. Gosudarstvennyy Nikitskiy botanicheskiy sad im.V.M.Molotova.
(Plant introduction) (Trees) (Shrubs)

KORMILITSYN, A. M.

USSR / Cultivated Plants. Ornamental Plants.

M-10

Abs Jour: Ref Zhur-Biol., 1958, No 16, 73249.

Author : Kormilitsyn, A. M.

Inst : State Nikitskiy Botanic Garden.

Title : Brief Summaries of Scientific-Research Work on
Dendrology and Ornamental Horticulture in 1956.

Orig Pub: Byul. nauchno-tekhn. inform. Gos. Nikitsk. botan.
sad., 1957, No 3-4, 3-5.

Abstract: In 1956 lists were comprised of 300 types of tree
and shrub species new for the Crimea for the purpose
of their use in forests. According to the ecologi-
cal composition the majority of the types belong
to xeromesophytes and semixerophytes. Tests were
continued of 7200 types and varieties of tree and
shrub species in an introductory nursery. In an
arboretum observations were conducted on 300 species.

Card 1/2

Country : USSR
CATEGORY :

ABSTRACT JOUR. : RZBiol., No. 19, 1950, No. 8/562

AUTHOR : Kormilitsyn, A. N.
INST. : Nikitskiy State Botanical Garden
TITLE : Botanic-Geographic Regularities in the
Introduction of Trees and Shrubs on the
South Coast of Crimea.

CRIG. PUB. : Byul. nauchno-tekhn. inform. Gos. Nikitsk.
botan. sad, 1957, No 3-4, 24-32.

ABSTRACT : The most important sources of material that
can be introduced to enrich the cultivated flora of the
Crimea, might be the genetically similar floras and their
ecological types of plants resembling those of the native
Crimean landscape. They include those of the eastern part
of the Mediterranean region, the Pacific and Atlantic
coastal parts of North America. Selection of starting
material can be made by methods of agroclimatic and phyo-
climatic analogies, and by florogenetic and ecologico-
historical methods. -- M. K. Deulina.

CARD: //

VOLOSHIN, M.P., nauchnyy sotrudnik; ZABELIN, I.A., nauchnyy sotrudnik;
KORMILITSYN, A.M., nauchnyy sotrudnik; ZHILYAKOVA, O., red.;
PISSERO, A., tekhn.red.

[Southern floriculture] IUzhnoe tsvetovodstvo. Simferopol'.
Krymizdat, 1959. 196 p.
(MIRA 13:1)

1. Gosudarstvennyy Nikitskiy botanicheskiy sad (for Voloshin,
Zabelin, Kormilitsyn).
(Floriculture)

KORMILITSYN, A. M.

Methods for the selection of starting material in introducing
new tree and shrub species. Trudy Bot. inst. Ser. 6 no. 7:
495-498 '59. (MIRA 13:4)

1. Gosudarstvennyy Nikitskiy botanicheskiy sad, Yalta.
(Plant introduction) (Trees) (Shrubs)

VOLOSHIN, Mikhail Petrovich, kand. biol. nauk; KORMILITSYN,
Aleksandr Mikhaylovich, kand. sel'khoz. nauk;
KOSTENETSKAYA, M., red.; ISUPOVA, N., tekhn. red.

[Establishing rural parks and landscaping state- and col-
lective-farm settlements] Zakladka sel'skikh parkov i czele-
nenie poselkov sovkhozov i kolkhozov. Simferopol', Krym-
izdat, 1960. 96 p.
(MIRA 15:7)
(Crimea—Landscape gardening)

KORMILITSYN, A.

Discussion is beneficial. Za rul. 15 no.2:6 P '57.

(MLRA 10:5)

1. Nachal'nik Gosudarstvennoy avtomobil'noy inspeksii
Ministerstva vnutrennikh del.
(Traffic regulations)

KORMILITSYN A.

KORMILITSYN, A.

New standard traffic regulations. Za rul. 16 no.1:8-9 Ja '58.
(MIRA 11:1)

1. Nachal'nik Gosavtoinspeksii Glavnogo upravleniya militsii
Ministerstva vnutrennikh del SSSR.
(Traffic regulations)

KORMILITSYN, A. (Moskva)

Conference on traffic safety. Za rul. 16 no. 5:14 My '58. (MIRA 11:7)

1. Nachal'nik Gosavtoinspeksiya Glavnogo upravleniya militsii
Ministerstva vnutrennikh del SSSR, Delegat sessii po voprosam
bezopasnosti dvizheniya, Zheneva.
(Geneva--Traffic safety--Congresses)

KORMILITSYN, A.

Traffic accidents are the common enemy. Za rul. 17 no.10:10
O '59.
(MIRA 13:2)

1.Nachal'nik Gosavtoinspeksiï Glavnogo upravleniya militsii Ministerstva vnutrennikh del SSSR.

(Traffic accidents)

KORMILITSYN, A.M.

Traffic safety and highway requirements. Avt.dor. 22 no.3:5-6
Mr '59. (MIRA 12:4)

1. Nachal'nik Gosavtoinspeksi Glavnogo upravleniya militsii Mini-
sterstva vnutrennikh del SSSR.
(Traffic safety) (Roads)

KORMILITSYN, A.

Prevention of traffic accidents is a public duty. Avt. transp. 37
no.12:3-4 D '59.
(MIRA 13:3)

1.Nachal'nik Gosavtoinspeksii Glavnogo upravleniya militarii
Ministerstva vnutrennikh del SSSR.
(Traffic accidents)

KORMILITSY~~Y~~, A., polkovnik militsii

Unified traffic regulations have been approved. Za rul.
18 no.3:14 Mr '60. (MIRA 13:6)
(Traffic regulations)

KORMILITSYN, A.

Act in compliance with the sense, not the wording of regulations.
Za rul. 19 no. 2:9 F '61. (MIRA 14:4)

1. Zamestitel' nachal'nika Gosudarstvennoy avtomobil'noy inspeksii
upravleniya militsii Ministerstva vnutrennikh del RSFSR.
(Traffic regulations)

LIPGART, A.A., doktor tekhn.nauk, prof., zasluzhennyy deyatel' nauki i tekhniki RSFSR; GRISHIN, M.D.; BELITSKIY, Ya.S.; MEZHEVICH, F.Ye., inzh.; KORMILITSYN, A.M.; MALINOVSKIY, G.S., master sporta, sud'ya respublikskoy kategorii

Makers of automobiles.Tekh.mol. 31 no.9:12-15 '63. (MIRA 16:9)

1.Zamestitel' direktora Nauchno-issledovatel'skogo avtomotornogo instituta (for Lipgart). 2. Chlen yuridicheskoy komissii pri Sovete Ministrov SSSR (for Grishin). 3. Predsedatel' sektsii avtomototurizma Gosudarstvennogo mekhanicheskogo zavoda, Odessa (for Belitskiy). 4. Rukovoditel' ekspertnoy gruppy po avtomobil'nomu transportu Gosudarstvennogo komiteta po delam izobretaniy i otkrytiy pri Sovete Ministrov SSSR (for Mezhevich). 5. Nachal'nik Gosudarstvennoy Avtomobil'noy inspektsii RSFSR (for Kormilitsyn). 6. Chlen Komiteta po kartingu Tsentral'nogo avtomotornogo kluba Dobrovolskogo doma sodeystviya armii, aviatsii i flotu SSSR (for Malinovskiy).

(Automobiles—Design and construction)

R. G. M. 10/10/86, A. J.
PISKAREV, I.I., kand.tekhn.nauk; KORMILITSYN, A.Ya., kand.tekhn.nauk.

Some results of experience sorting cars by rapid methods. Zhel.dor.
transp. 39 no.9:46-48 S '57. (MIRA 10:10)
(Railroads--Hump yards)

KORMILITSYN, A.Ya., kand.tekhn.nauk; SOLOGUB, N.K., kand.tekhn.nauk

Make efficient use of mechanisms and automatic machinery in
Moscow railroad stations. Zhel.dor.transp. 47 no.12:20-24
D '65. (MIRA 18:12)

1. Vneshtatnyye inspektora Komiteta partiyno-gosudarstvennogo
kontrolya Moskovskogo gorodskogo komiteta Kommunisticheskoy
partii Sovetskogo Soyuza i Moskovskogo gorodskogo Soveta
deputatov trudyashchikhsya.

BORISOV, Dmitriy Petrovich, doktor tekhn. nauk, prof.; YERPYLOV, Konstantin Nikolayevich, kand. tekhn. nauk; KORMILITSYN, Aleksandr Yakovlevich, kand. tekhn. nauk, dotsent; VAKHIN, M.I., doktor tekhn. nauk, prof., retsenzent; LISTOV, V.N., doktor tekhn. nauk, prof., retsenzent; NEUGASOV, N.M., kand. tekhn. nauk, dotsent, retsenzent; MARENKOVA, G.I., inzh., red.; NOVIKAS, M.N., inzh., red.; BOBROVA, Ye.N., tekhn. red.

[Automatic and remote control and communications in railroad transportation] Avtomatika telemekhanika i sviaz' na zhelezodorozhnom transporte. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniya, 1961. 283 p.

(MIRA 14:7)

(Railroads—Signaling) (Railroads—Communication systems)

(Railroads—Electronic equipment)

CHUPAKHIN, M.S.; GLAVIN, G.G.; KAMCOV, Yu.A.; KORMILITZYN, D.V.

Mass spectrum analysis of oxygen in titanium. Dokl. AN SSSR 158 no. 3:
689-691 S '64. (MIRA 17:10)

I. Institut geokhimii i analiticheskoy khimii im. V.I. Vernadskogo AN
SSSR. Predstavleno akademikom A.P. Vinogradovym.

CHUPAKIN, R.S.; KOMILITSYN, D.V.

Mass spectral analysis of solids (survey). Zhur. anal. khim.
20 no.6:709-718 '65. (MIRA 12:7)

I. Institut geokhimii i analiticheskoy khimii imeni Vernadskogo
AN SSSR i Gosudarstvennyy nauchno-issledovatel'skiy institut
redkometallicheskoy promyshlennosti, Moskva.

Kormilitsyn, I. S.

ORDZHONIKIDZE, SERGO, and I. S. KORMILITSYN.

Opyty po dozhiganiyu produktov sgoraniia aviadvigatelia. (Tekhnika vozdukhnogo flota, 1940, no. 9, p. 57-71, diagrs.

Title tr.: Experiments on after-burning of products of combustion in aircraft engines.

TL504. Th 1940

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824710006-3

KORMILITSYN, M., inzhener.

Automatic leveling instrument. Les.prom.14 no.4:11 Ap '54.
(MLRA 7;4)
(Leveling)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824710006-3"

AUTHORS: Peychev, G.P., Kormilitayn, N.S. 130-58-5-14/16

TITLE: On the Organisation of Product Quality Control in Southern Open-hearth and Bessemer Shops (Ob organizatsii kontrolya kachestva produktsii v martenovskikh i bessemervskikh tsekhakh yuga)

PERIODICAL: Metallurg, 1958, Nr 5, pp 35 - 36 (USSR).

ABSTRACT: This is a contribution to the discussion of the organisation of product quality control started by the publication in "Metallurg", 1957, Nr 9 of the article by Inozemtsev, Sckol, Rysev, Tarasenkov and Zamyatin. The present authors show how existing organisations differ at the Makeyevka, Stalino, imeni Dzerzhinskiy, imeni Libknekht and imeni Petrovskiy Works. They maintain that the functions of the quality control department had been expanded beyond their original bounds even though the qualifications of production personnel had greatly improved and that this undermines the authority and responsibilities of production personnel and has been an important source of unsatisfactory product quality. They give data for the above works to show that quality-control inspectors have often failed to prevent incorrect procedures and state that their qualifications are often inferior to that of production personnel in melting shops

Card1/2

On the Organisation of Product Quality Control in Southern Open-hearth and Bessemer Shops

130-58-5-14/16

(Stalino and Makeyevka Works). The authors consider quality control in open-hearth and bessemer shops in more detail, again contrasting those at the different works and propose the following organisation: production personnel to be responsible for hot-meta quality and mixer charging, discharging and de-sludging; ingot-mould preparation-bay or casting bay personnel to be responsible for all operations in the preparation of bogies and bays; production personnel to have full responsibility for adhering to technological instructions in steel melting and the foreman himself to sign the certificate; teeming ladles, runners, teeming procedure to be the responsibility of the section head and teeming foreman who complete the appropriate sections of the certificate. The authors briefly discuss the functions of the works' laboratories whose staffs, they maintain, should be augmented by quality-control personnel made redundant by the new organisation.

ASSOCIATION: VNIIOCHERMET
Card 2/2

SOV/133-58-11-8/25

AUTHORS: Peychev, G.P. and Kormilitsyn, N.S.

TITLE: On the Thermal Load of an Open-hearth Furnace During the Fettling Period (O teplovoj nagruzke martenovskoy pechi v period zapravki)

PERIODICAL: Stal', 1958, Nr 11, p 993 (USSR)

ABSTRACT: The authors point out that the recommendation of the All-Union Conference of Steelmakers (1957) on performing finishing of heats and fettling of furnaces with the gas and air cut off should be reconsidered as cooling of basic roofs decreases their durability. Thermal loads maintained on the Kuznetsk and Magnitogorsk Combines are quoted as well as the instruction not to cut off gas and air during fettling and not to allow for cooling of furnaces. A similar statement signed by D.A. Smolyarenko, N.I. Yefanov and O.N. Sokolov (steel-making section of NTOChM) follows the above paper.

ASSOCIATION: VNIIChermet

Card 1/1

PEYCHEV, G.P.; KORMILITSYN, N.S.

**Efficient utilization of welding cinder. Metallurg 4 no.3:37
Mr '59. (MIRA 12:4)**

**1. Vsesoyuznyy nauchno-issledovatel'skiy institut organizatsii
proizvodstva i truda chernoy metallurgii.
(Welding--By-products)**

ACCESSION NR: AR4031089

S/0044/64/000/002/V033/V033

SOURCE: Referativnyy zhurnal. Matematika, Abs. 2V227

AUTHOR: Komarov, A. V.; Kormilitsyn, N. S.

TITLE: The application of electronic computers in systems for transmitting information

CITED SOURCE: Sb. Vyчисл. sistemy. Novosibirsk, vyyp. 1, 1962, 33-62

TOPIC TAGS: information transmission, electronic computer, machine information, communication automation, communication unification

TRANSLATION: It is noted that the development of computing machines, automatic control machines, and information machines has reduced to the appearance of a new form of information-machine information. In the not-too-distant future machine information will constitute the basic streams of information. In connection with this, new demands for means of transmitting information are being advanced, which are completely unsuitable for transmitting machine information. In this article the authors consider the effectiveness of applying electronic

Card 1/2

ACCESSION NR: AR4031089

computers to automatizing means of communication. They indicate the possibility of a gradual conversion to full automation of the existing telegraph network, and then, on this basis, to effect a conversion to a single system of transmitting and spreading information by means of a gradual unification of all means of communication. The authors consider the basic characteristics of a single system for transmitting information. V. Prelov

DATE ACQ: 19Mar64

SUB CODE: MM

ENCL: 00

Card 2/2

GOROBCHUK, G.P.; KIRILYUN, P.G., KORMILITSYN, N.S.; SVOBODIN, Ye.N.;
SKVROTSOV, N.G.; STERELYUKHIN, V.A.

Model of a system for automating scientific experiments in carrying
out technological research. Vych. sist. no.8:27-31 '63.

(MIRA 17:12)

KIRILLOV, A.A., kand.tekhn.nauk; BERGER, F.Ye., inzh.; KORMILITSYN, R.R.,
inzh.; SINYAKOV, V.K., inzh.

Adhesion of freshly placed concrete to "old" concrete. Gidr.stroi.
32 no.7:28-29 Jl '62. (MIRA 15:7)
(Concrete construction)

USSR/Farm Animals - Swine.

Q-5

Abs Jour : Ref Zhur - Biol., No 1, 1958, 2616

Author : V. Somov, N. Reshetovskaya, S. Kormilitsyn
Inst : -

Title : Feed From the Residue of Starch Production.

Orig Pub : Svinovodstvo, 1957, No 5, 21-23

Abstract : During the process of extracting starch from potatoes, the cellular juice was pasteurised and fermented at a temperature of 50°. The fermentation of lactic acid lasted about 12 hours, while the acidity of the juice increased up to 10-12°, (pH-4, 0-4.2). Experiments on pigs included the administration of a) a mixture of the juice and vegetable pulp; b) a mixture of a chemically processed vegetable pulp and juice, c) the mixture "b" after fermentation by a fungi amylase. The animals in the group which had received fermented food showed an increase in weight of 124.9% in comparison with animals in the group which had received

Card 1/2

USSR/Farm Animals - Swine.

Q-5

Abs Jour : Ref Zhur - Biol., No 1, 1958, 2616

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standard rations. The duration of the experiment was 60 days. The consumption of feed for each kilogram of gained weight was 70.4%. The advantage of preparing the new feed is indicated.

Card 2/2

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CIA-RDP86-00513R000824710006-3

KORMILITSYN, R.R., inzh.

Rod method of determining the efficiency of internal vibrators.
Gidr. stroi. 32 no. 3:44-45 Mr '62.
(MIRA 16:7)

(Vibrated concrete--Testing)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824710006-3"

KORMILITSYN, R.R., inzh.

Plastic facing for forms. Gidr.stroi.. 31 no.6:39-40 Je '61.
(MIRA 14:6)
(Plastics) (Concrete construction--Formwork)

KORMILITSYN, S.P.; TSEMEKIAN, L.Sh.; SHUMOV, M.M.; ANDREYEV, T.V.;
MARKIN, A.A.; MAZUN, A.I.

Treatment of iron nickel ore in a converter by top blow of
oxygen. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch. i
tekh.inform. no.3:3-5 '63. (MIRA 16:4)

(Nickel—Metallurgy)

CA

8

Mineral aggregates formed from endogenic colloidal solutions. V. S. Kormilitsyn. *Zapiski Vsesoyuz. Mineral. Obozrashchaniya (Mémoires russes Minéral.)* 80, 269-72 (1951).—Metacolloidal aggregates of chalcedony and opal are described from quartz veins in the granite massive of Durulgueva (Transbaikalya) as typical hydrothermal endogenic formations. Characteristic is the distinction of 6 successive mineralization processes in these veins, of which the last 3 steps are distinguished by a "combed" quartz crystal, chalcedony, and opal, resp. The chalcedony shows a typical "flow structure" on its surface. Striking changes of staining are described for the opal zone brought about by included hydroxides of Fe, Mn, Cu, adsorbed on the silica gels, with a typical spherulitic, or shell-layer structure which is highly porous. The flow structure of the chalcedony reflects in every detail the original direction of the circulation of the hydrothermal solns., by the asymmetry of the surface unevenness, and under the action of the gravitational field. The early "combed" quartz was not corroded by the ascendent hydrothermal solns., before the chalcedony was deposited. But this latter mineral shows a typical shell layer, or "tocarde" texture, indicating a "pulsation" mechanism of the mineralization. The chalcedony was also not formed from a shrinking (drying) silica hydrogel; no shrinking cracks are observed. There is no doubt that the crystal took place from ascendent solns. in the state of a hydrosol.

W. Eitel

KORMILITSYN, V.S.

Some regularities in the formation of polymetallic deposits of the
Nerchinski Zavod group. Sov.geol. no.43:107-125 '55. (MLRA 8:9)
(Nerchinski Zavod--Ore deposits)

KORMILITSYN, V.S.

Calamine displacement by smithsenite. Zap.Vses.min. ob-va 84
no.4:452-454 '55.
(MLRA 9:2)

1.Vsesoyuznyy Geologicheskiy institut.
(Calamine) (Smithsenite)

KORMILITS'IN, V.S.

Genetic and mineralogical characteristics of polymetallic ores of
one of the deposits in the Nerchinskij Zavod group of eastern Trans-
baikalia. Mat.VSMGHI no.1:105-126 '56. (MLRA 10:1)
(Nerchinskij Zavod--Ore deposits)

KORMILITSYN, V.S.; MANUYLOVA, M.M.

Rhythmically banded quartz porphyries in Bugdaya Mountain
(southwestern Transbaikalia). Zap.Vs.min.ob-vz 86 no.3:355-364
'57. (MLRA 10:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut
Ministerstva geologii i okhrany nedor, SSSR, Leningrad.
(Bugdaya Mountain--Porphyries)

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824710006-3

KORMILITSYN, V.S.

Age relation between lamprophyres and mineralization in the
Kaday deposit (Western Transbaikalia). Zap. Vses. min. ob-va
87 no.4:440-447 '58.
(Transbaikalia--Lamprophyres) (MIRA 12:1)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824710006-3"

KORMILITSYN, V.S.

Basic characteristics of the Mesozoic metallogeny in eastern
Transbaikalia, Sov.geol. 2 no.11:96-109 N '59. (MIRA 13:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut.
(Transbaikalia--Ore deposits)

KORMILITSYN, V.S.; IVANOVA, A.A.

Genetic characteristics of the Kalanguy sulfide-fluorite deposit
(eastern Transbaikalia). Zap. Vses. min. ob.-va 88 no. 4:377-394 '59.

(MIRA 12-11)

1. Deystvitel'nyy chlen Vsesoyuznogo mineralogicheskogo obshchestva
(for Kormilitsyn).

(Kalanguy region (Transbaikalia)--Fluorite)

(Kalanguy region (Transbaikalia--Sulfides)

ITSIKSON, M.I., KORMILITSYN, V.S., KRASNYI, L.I., MATVEYENKO, V.T.

Basic metallogenetic characteristics of the northwestern part of
the Pacific ore belt. Geol. rud. mestorosh, no.1:16-44 Ja-F '60.
(MIRA 13:?)

1. Vsesoyuznyy geologicheskiy nauchno-issledovatel'skiy institut
Leningrad, i Vsesoyuznyy nauchno-issledovatel'skiy institut zolota
i redkikh metallov.
(Soviet Far East--Ore deposits)

KORMILITSYN, V. S.; IVANOVA, A. A.

Age and distribution of fluorite deposits; some critical remarks
on A. T. Solov'ev's articles. Zap. Vses. min. ob-va 91 no.4:
502-506 '62. (MIRA 15:10)

(Fluorite)

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824710006-3

KORMILITSYN, V.S.

Hydrothermally altered wall rocks of lead-zinc deposits in
eastern Transbaikalia. Trudy IGEM no.83:551-576 '63.
(MIRA 16:11)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824710006-3"

DUBININA, V.N.; IVANOVA, A.A.; KORMILITSYN, V.S.; SHTAL', N.V.; SHCHEGLOV, A.D.

Critical remarks on F.A.Shutliv's book "Geology and metallogeny of
eastern Transbaikalia." Zap.Vses.min.ob-va 92 no.4:492-495 '63.
(MIRA 17:2)

VLASOV, G.M.; ITSIKSON, M.I.; KORMILITSYN, V.S.; KRASNYY, L.I.;
MATVEYENKO, V.T.

Geological prerequisites of the distribution of minerals in the
eastern part of the U.S.S.R. Sov.geol. 6 no.12:36-57 D '63.

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut.
(MIRA 16:12)

UNKSOV, V.A.; BOROVIKOV, P.P.; RUNDKVIST, D.V.; PAVLOVA, I.G.;
ALYAVDIN, V.F.; VOLOSTNYKH, G.T.; ROZINOV, M.I.; SHCHEGLOV, A.D.;
IVANOVA, A.A.; KORMILITSYN, V.S.; SHCHEGLOV, A.D.; ARTEMOV, V.R.;
RYTSK, Yu.Ye.; GINZBURG, A.I.; DORTMAN, N.B.; TOPORETS, S.A.;
TRUNINA, V.Ya.; YAKOVLEV, I.K.; BOGDANOVA, L.A.; SARBEYEVA, L.M.

Problems of the geology and characteristics of the distribution
of mineral deposits. [Trudy] VSEGEI 92:53-89 '63. (MIRA 17:4)

GRUSHEVOY, V.G.; DOMAREV, V.S.; ITSIKSON, M.I.; KOEMILITSYN, V.S.;
MARKOVSKIY, A.P.; MOROZENKO, N.K.; MEKHOROSHEV, V.P.;
PADALKA, G.L.; SEMENOV, A.I.; SERPUKHOV, V.I.; TATARINOV, P.M.;
SHATALOV, Ye.T.

Grigorii Sergeevich Labazin, 1898-1963; obituary. Geol..
rud. mestorozh. 6 no.2:125-126 Mr-Ap '64. (MIRA 17:6)

L 075SS-67 EWT(j)/EWT(m)/EWP(f) FDN
ACC NR: AR6030426 (A) SOURCE CODE: UR/0420/66/000/006/0032/0038

AUTHOR: Kormilov, N. I.

24
B

ORG: None

TITLE: Factors influencing the operating efficiency and wear of the radial sealing components and casing in a rotary-piston engine (1)

SOURCE: Samoletostroyeniye i tekhnika vozduzhnogo flota, no. 6, 1966, 32-38

TOPIC TAGS: piston engine, rotating engine, Wankel engine, sealing device, rotating seal, friction

ABSTRACT: The author considers the phenomenon of nutation in the motion of the sliding apex vanes in a Wankel engine due to interaction between the forces of the expander springs, gas pressure, centrifugal forces and other factors. This motion is self-oscillatory in nature and results in repeated collisions between the sliding vanes and the working surface of the casing as well as between the vanes and the walls of the apex slot accelerating wear of these friction surfaces. The author analyzes the causes of nutation with particular emphasis on relaxational oscillatory motion. It is shown that the wear due to radial, longitudinal and transverse oscillations of the apex vanes distorts the geometric shape of the two-lobed epitrochoid of the casing resulting in increased losses from the working chambers of the engine. Vane vibrations and axial motion of the rotor must be eliminated to reduce the wear of friction surfaces and increase the operating efficiency of the rotary seals. Orig. art. has: 5 figures.

SUB CODE: 13/ SUBM DATE: None/ ORIG REF: 002/ OTH REF: 001
Card 1/1 21/2

L 30398-66 EWP(k)/EWT(d)/EWT(m)/T-2/EWP(f)/EWP(t)/ETI IJP(c) JD
ACC NR: AP6007904 SOURCE CODE: UR/0420/65/000/002/0118/0122

AUTHOR: Kormilov, N.I.

ORG: none

TITLE: Method of machining complex surface components of a rotor internal combustion engine

SOURCE: Samoletostroyeniye i tekhnika vozduzhnogo flota, no. 2, 1965, 118-122

TOPIC TAGS: internal combustion engine component, compressor rotor, compressor stator, metal machining

ABSTRACT: During the last two years the Soviet and foreign press have published many articles dealing with the rotor engine developed in West Germany by Engineer F. Wankel. One of the difficulties in the manufacture of such an engine is the machining of complex surface components which comprise the operational chamber of the engine. The present article investigates the possibilities of machining the surfaces of the stator and the rotor of a type KKM-250 engine. The advantages and disadvantages of various methods are discussed and possible procedures are suggested. Orig. art. has: 3 figures.

SUB CODE: 13 / SUBM DATE: none / ORIG REF: 004 / OTH REF: 002

Card 1/1 (C)

46
B

L 10788-66 EMT(d)/EMT(l)/EMT(h)/EMF(f)/T-2 FEN/JD
ACC NR: AP6018598 SOURCE CODE: UR/0420/66/000/004/0010/0016

AUTHOR: Kormilov, N. I.; Timoshenkov, V. P.

49
8

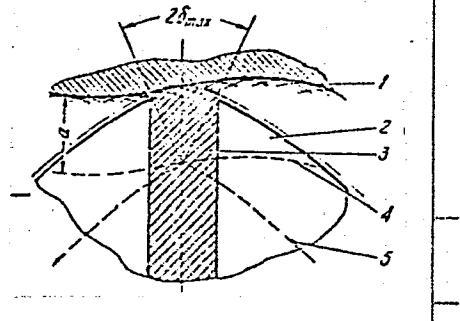
ORG: Kharkov Aviation Institute (Khar'kovskiy aviatcionnyy institut)

TITLE: Investigation of radial sealing in a rotary engine ?²

SOURCE: Samoletostroyeniye i tekhnika vozduzhnogo flota, no. 4, 1965, 10-16

TOPIC TAGS: internal combustion engine, rotating seal, sealing device, Wankel engine

ABSTRACT: The authors consider some of the problems associated with increasing the number of radial sealing plates in the Wankel engine to increase compression as a means for converting these engines to diesel operation. In Wankel NSU motors, the triangular rotor uses the type of seal shown in the accompanying figure where 1 is the engine stator, 2 is a section of the rotor and 3 is the sealing plate. The seal is rounded by a radius α equal to the distance from the theoretical to the actual profile of the engine stator. The center of curvature moves along the original theoretical epitrochoid 4 while the line of



Card 1/2

KORMIL'TSEV, V.A., dotsent; SOROKIN, L.A., inzh.

Analytical method of determining the basic parameters of inclined skip hoists for strip mining. Izv. vys. ucheb. zav.; gor. zhur. 6 no.8:94-101 '63.
(MIRA 16:10)

1. Sverdlovskiy gornyy institut imeni V.V.Vakhrusheva.
Rekomendovana kafedroy rudnichnogo transporta i gornykh mashin.

KORMIL'TSEV, V.V.; ULITIN, R.V.

Relationship of induced alternating current polarization with
Faraday's impedance and the capacitance of a double electrical
layer. Trudy Inst. geofiz. UFAN SSSR no. 3:125-133 '65.

(MIRA 18:8)

KORMIL'TSEV, V.V.

Excitation and decay of induced polarization in a capillary medium.
Izv. AN SSSR. Ser. geofiz. no.11:1658-1666 N '63. (MIRA 16:12)

1. Institut geofiziki Ural'skogo filiala AN SSSR.

SUB CODE: 20 / SUBM DATE: 05Jun65 / ORIG REF: 007 / OTH REF: 001

Card 1/1

UDC: 621.371.18

KORMILITSYN, V.S.

Shilka zone of the lead-zinc deposits. Trudy IGEM no.83-431-
442 '63.
(MIRA 16:11)

KORMILITSYN, Yu.

Fire caused by insecticide smoke pots. Posh.delo 5 no.1:11 Ja
' 59. (MIRA 11:12)
(Fumigation)

1. KORMILITSYNA, T.
2. USSR (600)
4. Kindergarten
7. This is not a secondary matter. Rabotnitsa No. 12 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

LEN SKAYA, S.I., starshaya meditsinskaya sestra; KOLESNIKOVA, Z.P.,
starshaya meditsinskaya sestra; DAVYDOV, S.Yu.; KORMILITSYNA,
Ye.I., meditsinskaya sestra

Nurses councils. Med.sestra 19 no.4:46-48 Ap '60.

(MIRA 13:6)

1. Dom rebenka No.15 Bayanskogo rayona Moskvy (for Lenskaya).
2. Iz Alchevskoy gorodskoy bol'nitsy, Luganskaya oblast' (for Kolesnikova). 3. Iz Shakhriyabskoy gorodskoy ob'yedinennoy bol'nitsay (for Davydov). 4. 1-ya gorodskaya bol'nitsa g. Vladimira (oblastnoy) (for Kormilitsyna).

(NURSES AND NURSING)

KORMILKIN, Yu.A.

Simple method for measuring small capacitances. Radiotekhnika
20 no.2:75-76 F '65. (MIRA 18:4)

1. Deystvitel'nyy chlen Nauchno-tekhnicheskogo obshchestva
radiotekhniki i elektrosvyazi imeni Popova.

EWT(1)/EWT(m)/EWP(w)/EWP(f)/EWP(v)/T/EWP(k)/ETC(m)-6
L 16121-66 JD/WW/EM/WE

ACC NR: AP6004125

SOURCE CODE: UR/0420/65/000/001/0054/0057

AUTHOR: Kormilov, N. I.

ORG: Kharkov Aviation Institute (Khar'kovskiy aviatsionnyy institut)

TITLE: Rotary internal combustion engine stator profile described by arcs and straight lines

46
B

SOURCE:

vozdushnogo flota, no. 1, 1965, 54-57 Samolet stroyeniye i tekhnika

TOPIC TAGS: Wankel engine, rotating engine, internal combustion engine / KKM-250 rotating engine

ABSTRACT: The stator of a rotary combustion engine of the Wankel type has a double-arc epitrochoidal profile which is difficult to produce on standard production machinery. The profile of the Wankel engine KKM-250 is that shown by curve 2 in Fig. 1 and corresponds to $a/e = 7.6$ (where a = radius; e = eccentricity of circles, i.e., $e = 0.02$ in Fig. 1). Increasing a/e eliminates the narrowing on the y axis, so that the profile looks like curve 3 in Fig. 1. This profile may be approximated by two arcs connected by straight tangents (see Fig. 2).
Card 1/3

U 16121-66

ACC NR: AP6004125

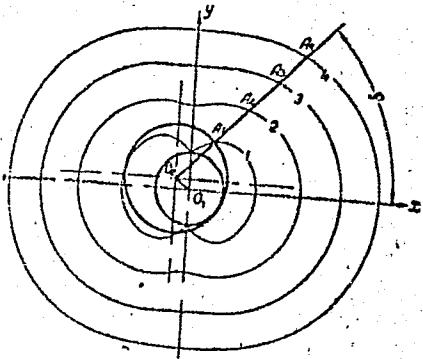
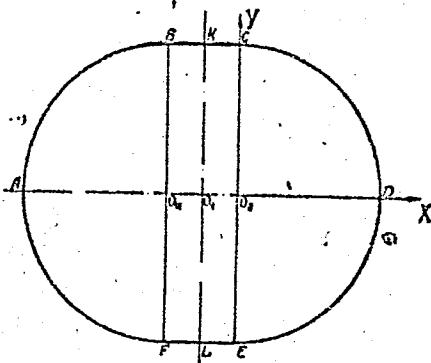


Fig. 1. Epitrochoids.

Fig. 2. Almost equivalent profile
of arcs and tangents.

This form significantly simplifies machining operations. After analyzing the equations for these two types of profiles, it is found that $a/e \approx 8$ (where $AD=2(a+e)$, $aLK=2(a-e)$) in Fig. 2 gives close resemblance of the

Card 2/3

L 16121-66
ACC NR: AP6004125

profiles. Curves of the deviations of the two profiles are plotted as a function of ϕ for a/e ; 7.8, 8.0, 8.2, and 8.4. By placing the axis at 0.01e (for $a/e = 8$) or, equivalently, by making the arc radius $R = 8.01e$, the deviations can be reduced since they will now have negative as well as positive values. Orig. art. has: 3 figures and 1 table.

SUB CODE: 21 SUBM DATE: none

Card 3/3 LC

BUKHAROV, B.P., inzh.; KORMILOV, V.Ye., inzh.; PERSHIN, I.A., inzh.

Mechanization of conveying in television-set control
area. Mekh.i avtom.proizv. 16 no.10:16-18 O '62.

(MIRA 15:11)

(Conveying machinery)
(Television—Receivers and reception—Testing)

KORMILOVA, V.A. [Karmilova, V.A.], aspirant

Nicotinic acid metabolism in rheumatic chorea in children. Ped., akush.
i gin. 20 no.1:22-24 '58.
(MIRA 13:1)

1. L'vovskiy nauchno-issledovatel'skiy institut okhrany materinstva
i detstva (direktor - I.D. Yaschchuk).
(NICOTINIC ACID) (CHOREA)

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824710006-3

KORMIL'TSEV, I.
KUZNETSOV, A., polkovnik; KORMIL'TSEV, I., polkovnik

Aspects of routine garrison duty and sentry duty. Voen. vest. 37
no.4:63-67 Ap '58. (MIRA 11:4)
(Russia--Army)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824710006-3"

KORMIL'TSYEV, I.

BANKUZOV, A., gvardii general-major; BOLDYREV, N., polkovnik; PORTYANOV, D.,
polkovnik; KORMIL'TSYEV, I., polkovnik; KUZNETSOV, A., polkovnik;
TOLYKHNIN, A., polkovnik; SHVIDCHENKO, K., polkovnik; PISAREV, G.,
polkovnik; NEYEL'OV, N., polkovnik; VERTELA, N., gvardii polkovnik;
MURATOVA, A., polkovnik; NIKOLAYEV, A., polkovnik

We discuss projects of new Army regulations. Voen. vest. 38 no.7:2-9
Jl '58. (MIRA 11:6)
(Russia--Army--Regulations)

KORMIL'TSEV, V.A., dotsent

Determination of the most advantageous parameters of open-pit railroad transportation with single locomotive traction. Izv. vys. ucheb. zav.; gor. zhur. no.9:115-128 '59. (MIRA 14:6)

1. Sverdlovskiy gornyy institut imeni V. V. Vakhrusheva. Rekomendovana kafedroy rudnichnogo transporta.
(Mine railroads)

KORMIL'TSEV, V.A., dotsent

Determination of the most advantageous parameters of railroad transportation in an open pit with a locomotive and motorized dump cars. Izv. vys. ucheb. zav.; gor. zhur. no.11:84-91 1959.

(MIRA 14:5)

1. Sverdlovskiy gornyy institut imeni V. V. Vakhrusheva.
Rekomendovana kafedroy rudnichnogo transporta.
(Mine railroads--Cars)

KORMIL'TSEV, V.A., dotsent

Determination of the most advantageous parameters of open-pit railroad transportation with locomotive traction and special pusher engines. Izv. vys. ucheb. zav.; gor. zhur. no. 12:64-72 '59.

(MIRA 14:5)

1. Sverdlovskiy gornyy institut imeni V.V. Vakhrusheva.
Rekomendovana kafedroy rudnichnogo transporta.
(Mine railroads)

KORMIL'TSEV, V.A., dotsent; TKACHEV, A.F., inzh.

Determining the limits for the efficient use of automobile and railroad transportation in working the mountainous part of the main open-pit mine of the Kachkanar Mining and Ore Dressing Combine. Izv. vys. ucheb. zav.; gor. zhur. no.10:143-148 '60.
(MIRA 13:11)

1. Sverdlovskiy gornyy institut imeni V.V. Vakrusheva. Rekomendovana kafedroy gornykh mashin rudnichnogo transporta Sverdlovskogo gornogo instituta imeni V.V. Vakhrusheva.

(Kachkanar region—Strip mining)
(Mine haulage)

KORMIL'TSEV, V.A., dotsent

Simultaneous determination of the most advantageous basic and complementary parameters of open-pit rail transportation with a single locomotive. Izv.vys.ucheb.zav.; gor.zhur. no.4:112-121 '60. (MIRA 14:4)

1. Sverdlovskiy gornyj institut imeni V.V.Vakhrusheva.
Rekomendovana kafedroy gornykh mashin i rudnichnogo transporta.

(Mine railroads)

KORMIL'TSEV, V. A., Cand Tech Sci -- (diss) "Determination of the most favorable parameters for open-pit railroad transportation." Sverdlovsk, 1960. 17 pp with illustrations; (Ministry of Higher and Secondary Specialist Education RSFSR, Sverdlovsk Mining Inst im V. V. Vakhrushev); 150 copies; price not given; (KL, 28-60, 161)

BLOKH, G.A., kandidat tekhnicheskikh nauk, dotsent; KORMIL'TSEVA, Z.P.;
OL'SHANSKAYA, L.A.; inzhener; KOLOBENIN, V.N., inzhener.

Investigation of the diffusion of sulfur in cable rubber
by means of radioactive isotopes. Vest.elektroprom. 27 no.6:
66-68 Je '56. (MLRA 1088)

1.Dnepropetrovskiy khimiko-tehnologicheskiy institut (for Blokh
and Kormil'tseva). 2.Zavod "Azovkabel" Ministerstva elektritekhnicheskoy
promyshlennosti (for Ol'shanskaya and Kolobenin).

(Rubber) (Sulfur)
(Radioisotopes--Industrial applications)

AUTHORS: Blokh, G.A., Kormil'tseva, Z.P., Boguslavskiy, D.B.,
Bakharev, V.I., and Tikhomirov, B.P.

SOV/138-58-7-10/19

TITLE: Study of Diffusion Processes Occuring in Tyres During
Vulcanisation (Part I) (Issledovaniye diffuzionnykh
protsessov pri vulkanizatsii avtopokryshchek) (Soobshchen-
iye I)

PERIODICAL: Kauchuk i rezina, 1958, Nr 7, pp 33 - 36 (USSR)

ABSTRACT: In this investigation, radioactive sulphur, S³⁵, was introduced into the tread, breaker and carcass rubber mixes and the diffusion of the isotope from each of these parts of the tyre into adjacent parts of the tyre was studied.

The appropriate rubber mixes containing the isotope sulphur were rolled into thin laminae 0.4 to 0.8 mm thickness and discs 16 mm diameter were cut from these laminae. The discs were placed under a (Geiger) counter and their radioactivity was determined before vulcanisation. Measurements were taken from both sides of the discs. The discs were then stacked into piles to form representative sections of a tyre. 30 discs represented the tread and 8 to 10 discs the breaker and the carcass. The discs were dusted with talc to assist separation of

Card1/4

SOV/138-58-7-10/19

Study of Diffusion Processes Occuring in Tyres During Vulcanisation

the laminae after vulcanisation.

Piles of discs from mixes containing S³⁵ were assembled with piles of discs from mixes containing normal sulphur in the appropriate sequences so that diffusion could be assessed for the different cases of: 1) tread to breaker to carcass; 2) breaker to tread, breaker to carcass and 3) carcass to breaker to tread. The stacked piles were vulcanised at 145°C for half to two hours. The individual discs were then stripped from the vulcanised samples and the activity of each disc measured by the counter. Diffusion of the isotopic sulphur from discs to disc could then be assessed, as also diffusion from one part of the representative tyre section to another.

Table I shows the extent of the diffusion from the tread (where the active sulphur was originally located) into breaker and carcass. The S³⁵ diffused from the tread into the breaker to a depth of 3 to 3.5 mm. The breaker rubber taking up more than 40% of the activity of the tread rubber to a depth of 0.9 mm and over 60% to a depth

Card2/4

SOV/138-58-7-10/19

Study of Diffusion Processes Occurring in Tyres During Vulcanisation

0.6 mm. The diffusion did not extend to the carcass rubber where the activity remained at background level. Table 2 shows results from a test where the active material was located in the breaker rubber and diffused both to the tread and to the carcass parts of the sample to a depth of 3 to 4 mm. Table 3 shows the results of a similar test with the S³⁵ diffusing from carcass into the breaker rubber but not extending through to the tread. Similar experiments were made by assembling layers of tread, breaker and carcass rubber but in this case all containing S³⁵. After vulcanisation at 145 °C for 2 hours, the sample was stripped and the activity of the laminae at the interfaces between the different mixes was determined and compared with the activity at the same locations before vulcanisation. The results, given in Table 4, indicate concentration of the vulcanising groups at these interfaces, through differences in chemical rate and kinetic flow during vulcanisation. Such concentrations of polysulphide groups will undergo decomposition and re-grouping while the tyre is in use because of the temperature differences that are caused by deformation. Knowledge of the extent of these

Card 3/4

SOV/138-58-7-10/19

Study of Diffusion Processes Occurring in Tyres During Vulcanisation

concentrations is important since it will enable the ageing and fatigue characteristics of the tyre to be assessed. The diagram has been constructed from the data in tables 1, 2 and 3 and relates the activity level to the position of measurement in the stack. The shaded areas indicate concentration of activity at the interfaces between different parts of the tyre.

Attempts to study diffusion of calcium hydroxide, using Ca^{45} , in similar experiments were unsuccessful, evidently because of the insolubility of this material in rubber. There are 4 tables and 5 Soviet references.

1. Tires--Test methods
2. Sulfur--Diffusion
3. Sulfur isotopes (Radioactive)--Applications
4. Vulcanization

Card4/4

BLOKH, G.A., dotsent, kand.tekhn.nauk; KORMIL'TSEVA, Z.P., inzh.

Investigating the vulcanization of rubber footwear by the
method of radioisotopes. Izv.vys.ucheb.zav.;tekh.leg.prom.
no.1:100-108 '59. (MIRA 12:6)

1. Dnepropetrovskiy khimiko-tehnologicheskiy institut im. Dzerzhin-
skogo. Rekomendovana kafedroy tekhnologii raziny.

(Vulcanization)

(Radioisotopes--Industrial applications)
(Boots and shoes, Rubber)

KORMINA, A.P. (g. Blagoveschensk-na-Amure)

Forms of questioning in geography. Geog. v shkole 24 no.2:29-
34 Mr-Ap '61.

(MIRA 14:3)

(Geography--Study and teaching)
(Grading and marking(Students))

KORMNOV, Yu.; LADYGIN, B.

Problems of the economic efficiency of the international
socialist division of labor. Vnesh.torg. 43 no.2:20-25 '63.
(MIRA 16:2)
(Europe, Eastern—Division of labor)

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